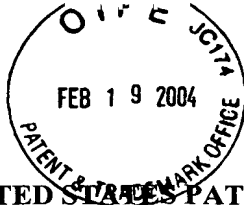


Docket No. 245682US0/phh



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Yoshiaki KOBUE, et al.

SERIAL NO: 10/715,493

GAU:

FILED: November 19, 2003

EXAMINER:

FOR: PORPHYRIN ARRAY EXHIBITING LARGE TWO PHOTON ABSORPTION PROPERTY AND INCLUDING, AS STRUCTURAL UNIT, BIS(IMIDAZOLYL)PORPHYRIN METAL COMPLEX) LINKED WITH ACETYLENIC BOND AND THE DERIVATIVE THEREOF, AND METHOD OF PRODUCING THE SAME

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Norman F. Oblon

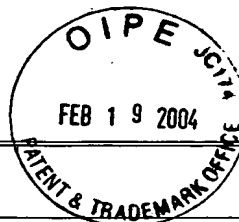
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**Corwin P. Umbach, Ph.D.**  
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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
245682US0SERIAL NO.  
10/715,493

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Yoshiaki KOBUE, et al.FILING DATE  
November 19, 2003

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,429,310	08/06/2002	Y. KOBUE, et al.			
	AB	6,602,998	08/05/2003	Y. KOBUE, et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AU	M. ALBOTA, et al., Science, <a href="http://www.sciencemag.org">www.sciencemag.org</a> , vol. 281, pages 1653-1656, "DESIGN OF ORGANIC MOLECULES WITH LARGE TWO-PHOTON ABSORPTION CROSS SECTIONS", September 11, 1998
	AV	T. E. O. SCREEN, et al., J. Am. Chem. Soc., vol. 124, no. 33, pages 9712-9713, "AMPLIFIED OPTICAL NONLINEARITY IN A SELF-ASSEMBLED DOUBLE-STRAND CONJUGATED PORPHYRIN POLYMER LADDER", 2002
	AW	K. OGAWA, et al., Angew. Chem. Int. vol. 39, no. 22, pages 4070-4073, "FORMATION OF A GIANT SUPRAMOLECULAR PORPHYRIN ARRAY BY SELF-COORDINATION", 2000, (with corr. US 6,429,310)
	AX	K. OGAWA, et al., J. Am. Chem. Soc., vol. 124, no. 1, pages 22-23, "LARGE THIRD-ORDER OPTICAL NONLINEARITY OF SELF-ASSEMBLED PORPHYRIN OLIGOMERS", 2002, (with corr. USSN 10/231,074)
	AY	K. OGAWA, et al., J. Am. Chem. Soc., vol. 125, no. 44, pages 13356-13357, "STRONG TWO-PHOTON ABSORPTION OF SELF-ASSEMBLED BUTADIYNE-LINKED BISPORPHYRIN", 2003 (with corr. USSN 10/715,493)
	AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DOCKET NO.: 245682US0/phh

Page 1 of 1



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

Yoshiaki KOBUE, et al.

SERIAL NO: 10/715,493

GROUP:

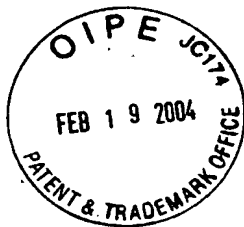
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ACETYLENIC BOND AND THE DERIVATIVE THEREOF, AND METHOD  
OF PRODUCING THE SAME

**STATEMENT OF RELEVANCY**

**References AU and AV on Form PTO 1449 are discussed in the specification.**



**LIST OF RELATED CASES**

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
202330US0	6,429,310	08/06/02	KOBUKE, et al.
204568US0	6,602,998	08/05/03	KOBUKE, et al.
227648US0	10/231,074	08/30/02	KOBUKE, et al.
236856US0	10/419,767	04/22/03	KOBUKE, et al.
245682US0*	10/715,493	11/19/03	KOBUKE, et al.

\*Present Application; listed for information  
NFO/amr